****
Reviewer Comments:
<210>   3
<211>   822
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus sequence Vibrio cholerae gyrB

<400>   3
gtmtccggyg gtctgcacgg ggtaggtgtg tcggtggtta acgcgctytc tgaaaaagtg   60

ctrctyacca tytatcgygg yggcaaratc caywcscaaa cttaccatca tggtgtgcca   120

caagcaccgt tggctgtrgt rggtgakacw gagcgtaccg gtactaccgt acgtttctgg   180

ccwagygcac aracytttac caatatcgaa ttycattacg acattttggc taaacgcctg   240

cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaycgatga acgtgaagaa   300

gataaaaaag accacttcat gtatgaaggg ggtattcaag cgtttgtgac ccacttgaac   360

cgyaayaaaa cgccratcca tgagaaagtc ttccacttta accaagagcg tgaagatggc   420

atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaacat ctactgcttt   480

acyaacaaca tcccacagcg tgatggtggt acccayttag ccggtttccg tggtgcgttg   540

acccgtactt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcggca   600

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acctcgggtg atgatgcgcg tgaaggctta acggcwgtgg twtcggtgaa agtgccggat      660

cctaaattct cragccaaac caaagataag ctggtttctt cggaagtaaa atccgcrgtt      720

gartcagcya tgaatgagaa gctggcrgat ttcctagcgg aaaacccaag cgaagcgaaa      780

aacgtttgtt cgaagattat tgatgcrgcr cgygckcgtg aagcsgcgcg taaagcccgk      840

gaaatgactc gycgtaaagg cgcgytggat cttgcwggct taccc                     885
```

Although the above <211> response is "822," 885 nucleotides are in this
sequence.
****

Application No: 10538636   Version No: 2.0

Input Set:

Output Set:

Started: 2007-11-12 17:56:12.731

Finished: 2007-11-12 17:56:14.101

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 370 ms

Total Warnings: 64

Total Errors: 1

No. of SeqIDs Defined: 64

Actual SeqID Count: 64

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 253	The number of bases differs from <211> Input: 822 Calculated:885
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)

Input Set:

                Output Set:

            Started: 2007-11-12 17:56:12.731
           Finished: 2007-11-12 17:56:14.101
            Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 370 ms
    Total Warnings: 64
      Total Errors: 1
No. of SeqIDs Defined: 64
 Actual SeqID Count: 64

Error code   Error Description

W   213   Artificial or Unknown found in <213> in SEQ ID (20)
                This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110>   KOIZUMI, Takeshi
        NISHIYAMA, Yoko
        YAMAMOTO, Satoshi
        FUKUYAMA, Masafumi
        FURUHATA, Katsunori
        OONAKA, Kenji

<120>   PRIMER AND PROBE FOR DETECTING VIBRIO CHOLERAE OR VIBRIO MIMICUS
        AND DETECTION METHOD USING THE SAME

<130>   Q88467

<140>   10538636
<141>   2005-06-10

<150>   PCT/JP03/15889
<151>   2003-12-11

<150>   JP 2002-362878
<151>   2002-12-13

<160>   64

<170>   PatentIn version 3.3

<210>   1
<211>   885
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus sequence of Vibrio Cholerae and Vibrio mimicus gyrB

<400>   1
gtmtccggyg gtctrcacgg ggtaggtgtg tcggtrgtka aygcsctbtc wgaaaaagtg   60

ctrctbacca tytatcgygg yggcaaraty caywcscaaa cttaccatca yggtgtgcca   120

caagcaccgt tgkctgtrgt rggtgakacw gagcgtaccg gtactaccgt acgtttctgg   180

ccwagygcac aracytttac caatatcgaa ttycattacg acattytggc taaacgyctg   240

cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaysgatga rcgtgaagaa   300

gataaraaag accacttyat gtatgaaggk ggtattcaag cgtttgtkac ccacttgaac   360

cgyaayaaaa cgccratcca tgaraaagtm ttccacttya accaagagcg tgaagatggc   420

atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaaacat ctactgcttt   480

acyaacaaca tyccacagcg tgatggyggt acccayttag cyggtttccg tggtgcrttg   540

acccgtactt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcrgca   600

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acctcgggtg atgatgcgcg tgaaggctta acrgcdgtkg tdtcggtgaa agtrccrgat      660

cctaaattct cragccaaac caaagataag ctrgtttctt cggargtraa atccgcrgtt      720

gartcagcya tgaatgagaa gctggcrgat ttcctrgcgg aaaacccaag cgaagcgaaa      780

aacgtttgtt cgaagattat tgatgcrgcr cghgckcgtg aagcvgcgcg taaagcmcgk      840

gaaatgacyc gycgtaaagg cgccgytrgay ythgcwggyt trcch                     885


<210>   2
<211>   822
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus sequence of Vibrio cholerae and vibrio mimicus rpoD

<400>   2
acacgtgaag gygaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa       60

agtgcgattg ctgagtatcc tggaaccatc ccwtayattc ttgarcagtt tgaymrkgtt      120

caggcmgaag arctacgtct sactgayctg atttcwggtt tcgttgaycc taacgacatg      180

gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck      240

gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt      300

gaaagyagcg acagcgaaga agaagtsggt atygaccctg arctsgctcg tgagaaattc      360

aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac      420

agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta      480

acaccaaarc aattygacca yttggttgaa actctgcgya cytcratgga tcgtgttcgy      540

acccaagarc gyttggtrat gaaagcvgtr gttgaagtcg cgaaatgcc raagaaatcr       600

ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct      660

tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatycg ccgytcaaty      720

caraaactdc aratgatcga rcargagacw tcactgtctg ttgarcgyat caaagacatc      780

agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg                        822


<210>   3
<211>   822
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus sequence Vibrio cholerae gyrB
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<400> 3

gtmtccggyg gtctgcacgg ggtaggtgtg tcggtggtta acgcgctytc tgaaaaagtg   60

ctrctyacca tytatcgygg yggcaaratc caywcscaaa cttaccatca tggtgtgcca   120

caagcaccgt tggctgtrgt rggtgakacw gagcgtaccg gtactaccgt acgtttctgg   180

ccwagygcac aracytttac caatatcgaa ttycattacg acattttggc taaacgcctg   240

cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaycgatga acgtgaagaa   300

gataaaaaag accacttcat gtatgaaggg ggtattcaag cgtttgtgac ccacttgaac   360

cgyaayaaaa cgccratcca tgagaaagtc ttccacttta accaagagcg tgaagatggc   420

atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaaacat ctactgcttt   480

acyaacaaca tcccacagcg tgatggtggt acccayttag ccggtttccg tggtgcgttg   540

acccgtactt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcggca   600

acctcgggtg atgatgcgcg tgaaggctta acggcwgtgg twtcggtgaa agtgccggat   660

cctaaattct cragccaaac caaagataag ctggtttctt cggaagtaaa atccgcrgtt   720

gartcagcya tgaatgagaa gctggcrgat ttcctagcgg aaaacccaag cgaagcgaaa   780

aacgtttgtt cgaagattat tgatgcrgcr cgygckcgtg aagcsgcgcg taaagcccgk   840

gaaatgactc gycgtaaagg cgcgytggat cttgcwggct taccc   885

<210> 4
<211> 822
<212> DNA
<213> Artificial Sequence

<220>
<223> Consensus sequence of Vibrio cholerae rpoD

<400> 4

acacgtgaag gtgaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa   60

agtgcgattg ctgagtatcc tggaaccatc ccttatattc ttgagcagtt tgatcgtgtt   120

caggccgaag agctacgtct cactgacctg atttcaggtt tcgttgaycc taacgacatg   180

gaaaccgaag cgccaaccgc gactcacatc ggttctgagc tttctgaagc ggatctcgcg   240

gatgaagatg atgctgtcgt cgaagatgaa gacgaagatg aagacgaaga tggcgacggt   300

gaaagcagcg acagcgaaga agaagtcggt atcgaccctg aactggctcg tgagaaattc   360

aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac   420

agtcatcaag cttctgaagc gtcagactta gtgytggata tcttccgtga attccgycta   480

acaccaaagc aattcgacca cttggttgaa actctgcgca cttcaatgga tcgtgttcgc   540

acccaagaac gtttggtrat gaaagcggta gttgaagtcg cgaagatgcc gaagaaatcg   600

ttcatcgccc tatttacagg caatgaatcg aatgaagagt ggctggataa agtccttgct   660

tctgacaagc cttacgtagc gaaagtccgt gagcaagaag aagagatccg ccgttcaatt   720

cagaaactac aaatgatcga gcaagagaca tcactgtctg ttgaacgcat caaagacatc   780

agccgtcgta tgtcaatcgg tgaggcraaa gctcgccgtg cg   822

<210>   5
<211>   885
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus sequence of Vibrio mimicus gyrB

<400>   5
gtctccggtg gtctacacgg ggtaggtgtg tcggtagtga atgccctgtc agaaaaagtg   60

ctgctbacca tttatcgtgg tggcaagatt cacacccaaa cttaccatca cggtgtgcca   120

caagcaccgt tgtctgtrgt gggtgagact gagcgtaccg gtactaccgt acgtttctgg   180

cctagtgcac agacttttac caatatcgaa ttccattacg acattctggc taaacgyctg   240

cgtgagctgt cattcctgaa ctctggcgtg tcgatcaagc tgacggatga gcgtgaagaa   300

gataagaaag accacttyat gtatgaaggt ggtattcaag cgtttgtkac ccacttgaac   360

cgtaayaaaa cgccgatcca tgaaaaagta ttccacttca accaagagcg tgaagatggc   420

atcagcgtgg aagtggcaat gcagtggaac gatggtttcc aagaaaacat ctactgcttt   480

accaacaaca tyccacagcg tgatggcggt acccacttag cyggtttccg tggtgcrttg   540

acccgtactt tgaacaacta catggacaaa gaaggcttct cgaagaaagc scaagcrgca   600

acctcgggtg atgatgcgcg tgaaggctta acrgcrgtkg tktcggtgaa agtrccrgat   660

cctaaattct cragccaaac caaagataag ctrgtttctt cggargtgaa atccgcggtt   720

gagtcagcca tgaatgagaa gctggcggat ttcctggcgg aaaacccaag cgaagcgaaa   780

aacgtttgtt cgaagattat tgatgcrgcr cghgctcgtg aagcvgcgcg taaagcacgt   840

gaaatgacyc gtcgtaaagg cgcgctagay ytmgctggtt tgccw   885

<210>   6
<211>   822
<212>   DNA
<213>   Artificial Sequence

<220>
<223> Consensus sequence of Vibrio mimicus rpoD

<400> 6
acacgtgaag gcgaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa   60

agtgcgattg ctgagtatcc tggaaccatc ccatacattc ttgaacagtt tgacaaggtt   120

caggcagaag aactacgtct gactgayctg atttctggtt cgttgatcc taacgacatg   180

gaaaccgaag cgccaactgc tactcacatc ggttcagarc tctctgaagc cgatctcgct   240

gatgaagatg acgaggtcgc ggaggatgaa gacgaggatg aagatgaaga cggcgacggt   300

gaaagyagcg acagcgaaga agaagtgggt attgaccctg agctcgctcg tgagaaattc   360

aatgaactgc gcggcaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac   420

agtaaccaag catctgaagc ttcaagcctg gtactggata tyttccgcga attccgccta   480

acaccaaaac aatttgacca tttggttgaa actctgcgta cctcgatgga tcgtgttcgt   540

acccaagagc gyttggtgat gaaagcvgtg gttgaagtcg cgaaaatgcc aaagaaatca   600

tttattgcyc trtttacagg caatgaatcg aatgargaat ggctygataa agtrctcgct   660

tctgataarc cttatgtaca aaaagtacgt gagcaagaag acgatattcg ccgctcaatc   720

caaaaactkc agatgatcga acargagact tcactgtctg ttgagcgtat caaagacatc   780

agccgtcgta tgtctatcgg tgaagcgaaa gctcgccgtg cg   822

<210>   7
<211>   19
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   primer

<400>   7
tycaywcsca aacttacca   19

<210>   8
<211>   22
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   primer

<400>   8
gaaytctggc gtgtcgatca ag   22

<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 9
catrtagttg ttcaaagtac gg   22

<210> 10
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 10
ggatttyacy tccgaagaaa cyagc   25

<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<400> 11
ygccagcttc tcattcatr   19

<210> 12
<211> 19
<212> DNA
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<220>
<223> primer

<400> 12
cgcttcgctt gggttttcc   19

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 13
caataatctt cgaacaaacg t   21

<210> 14
<211> 25
<212> DNA
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<220>
<223> primer

<400> 14
gattgctgag tatcctggaa ccatc   25

<210> 15
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
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<400> 15
gaycctaacg acatggaaac c   21

<210> 16
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 16
ttcwgarcty tctgaagcs   19

<210> 17
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 17
agatgaygmk gtcgysgar   19

<210> 18
<211> 21
<212> DNA
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<220>
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<400> 18
cgacggtgaa agyagcgaca g   21

<210> 19
<211> 21
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<220>
<223> primer

<400> 19
caatgaactg cgcggyaagt t   21

<210> 20
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
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<400> 20
gtcacgacca aattcattaa c   21

<210> 21
<211> 25
<212> DNA
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<220>
<223> primer

<400> 21
gyytgamgct tcagawgctt grtka   25

<210> 22
<211> 22
<212> DNA
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<220>
<223> primer

<400> 22
ygargtrcgc agagtttcaa cc   22

<210> 23
<211> 19

<212> DNA
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<220>
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<400> 23
catyaccaar cgytcttgg   19

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
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<400> 24
cgytcaacag acagtgawgt c   21

<210> 25
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<400> 25
ggtggttaac gcgctytct   19

<210> 26
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<210> 27
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<400> 27
tgagaaagtc ttccacttt   19

<210> 28
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<400> 28
gttaaagtgg aagactttc   19

<210> 29
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<220>
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<400> 29
gggtaagccw gcaagatcc   19

<210> 30
<211> 21
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<220>
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<400> 30
attcttgagc agtttgatcg t   21

<210> 31
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<220>
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<400> 31
caggccgaag agctacgtct c   21

<210> 32
<211> 25
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<220>
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<400> 32
tgagctttct gaagcggatc tcgcg   25

<210> 33
<211> 21
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<220>
<223> primer

<400> 33
gaagatgatg ctgtcgtcga a   21

<210> 34
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
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<400> 34
gaagatgaag acgaagat   18

<210> 35
<211> 19
<212> DNA
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<220>
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<400> 35
cggtatcgac cctgaactg   19

<210> 36
<211> 23
<212> DNA
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<220>
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<400> 36
catcaagctt ctgaagcgtc aga   23

<210> 37
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<400> 37
tcaaccaagt ggtcgaattg c   21

<210> 38
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 38
acggaagata tccarcacta a   21

<210> 39
<211> 22
<212> DNA
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<220>
<223> primer

<400> 39
gcgaacacga tccattgaag tg   22

<210> 40
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 40
gatgaacgat ttcttcggca tc   22

<210> 41
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 41
aaggacttta tccagccac   19

<210> 42
<211> 24

<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 42
ttcttcttgc tcacggactt tcgc   24

<210> 43
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 43
ttctgaattg aacggcggat c   21

<210> 44
<211> 22
<212> DNA
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<220>
<223> primer

<400> 44
tgtctcttgc tcgatcattt gt   22

<210> 45
<211> 19
<212> DNA
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<220>
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ggtagtgaat gccctgtca   19

<210> 46
<211> 23
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<400> 46
cggatgagcg tgaagaagat aag   23

<210> 47
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<220>
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<400> 47
tgaaaaagta ttccacttc   19

<210> 48
<211> 19
<212> DNA
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<220>
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<400> 48
gttgaagtgg aatactttt   19

<210> 49
<211> 19
<212> DNA
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<220>
<223> primer

<400> 49
wggcaaacca gckarrtct   19

<210> 50
<211> 22
<212> DNA
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<220>
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<400> 50
cattcttgaa cagtttgaca ag   22

<210> 51
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 51
caggcagaag aactacgtct g   21

<210> 52
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 52
agarctctct gaagccgatc tcgct   25

<210> 53
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<220>
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<400> 53
gaagatgacg aggtcgcgga g   21

<210> 54
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
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<400> 54
gaggatgaag atgaagac   18

<210> 55
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 55
gggtattgac cctgagctc   19

<210> 56
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 56
taaccaagca tctgaagctt caag   24

<210> 57
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 57
tcaaccaaat ggtcaaattg t   21

<210> 58
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 58
gcggaarata tccagtacca g   21

<210> 59
<211> 22
<212> DNA
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